

THIS LISTING OF CLAIMS WILL REPLACE ALL PRIOR VERSIONS, AND LISTINGS, OF CLAIMS IN THE APPLICATION:

Listing of claims:

Claims 1-45 (canceled).

Claim 46 (currently amended): A synthetic gene encoding a HIV-1 gag or HIV-1 env protein normally expressed in an eukaryotic cell wherein at least one rarely-used or less preferred codon in a natural gene encoding said protein has been replaced by a preferred codon encoding the same amino acid, and wherein said rarely-used or less preferred codon contains an inhibitory/instability region, said synthetic gene expressing said protein at a level which is higher than that expressed by said natural gene in an in vitro mammalian cell culture system under identical conditions.

Claim 47 (previously presented): An expression vector comprising the synthetic gene of claim 46.

Claim 48 (previously presented): A mammalian cell comprising the synthetic gene of claim 47.

Claim 49 (previously presented): A method for preparing a synthetic gene encoding a protein normally expressed by mammalian cells, comprising identifying rarely-used and less-preferred codons containing an inhibitory/instability region in the natural gene encoding said protein and replacing one or more of said rarely-used or less-preferred codons with a preferred codon encoding the same amino acid as the replaced codon, so that a synthetic gene is prepared.